

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365991

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 545.0 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

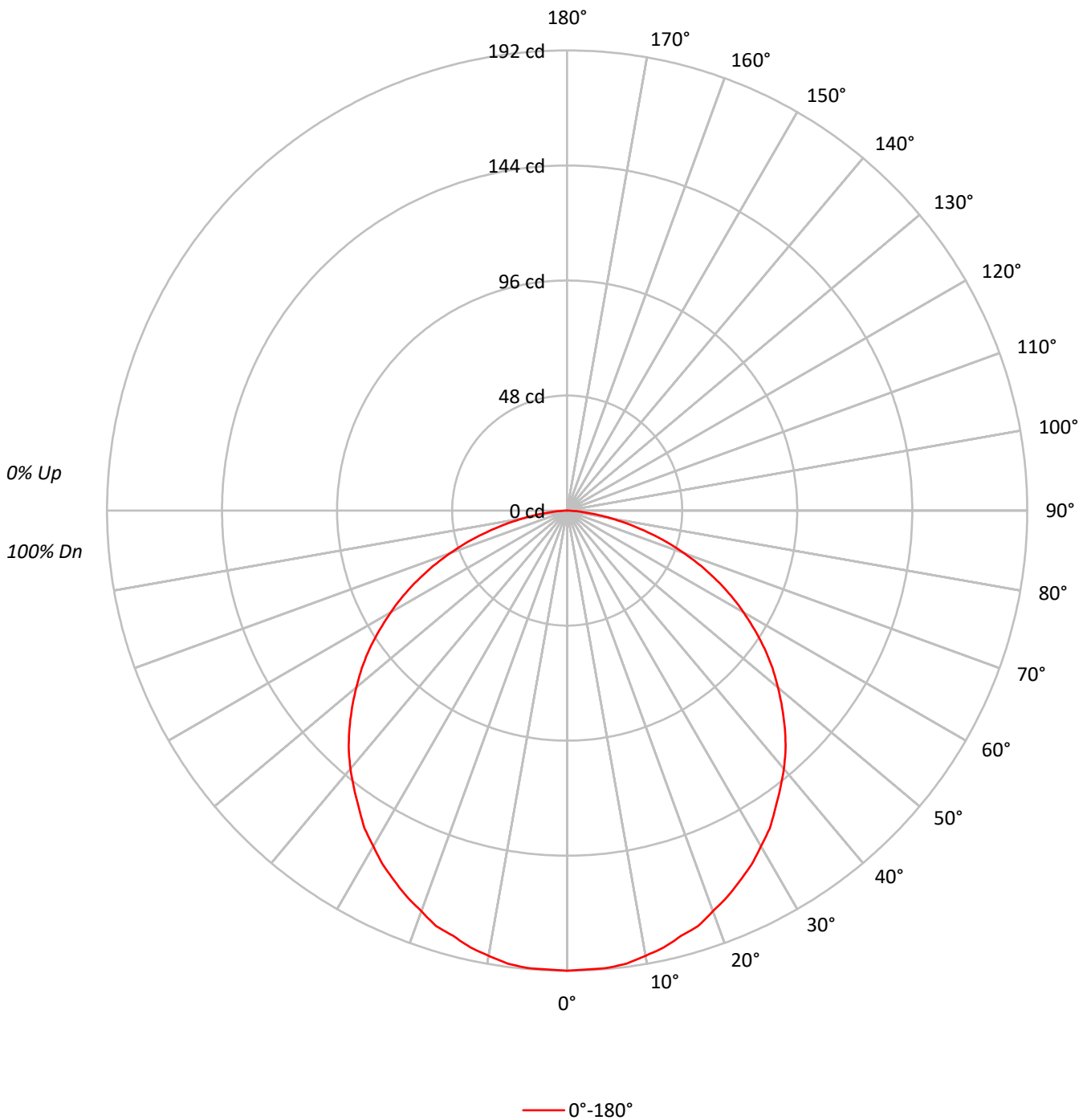
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5245
5°	5254
10°	5231
15°	5195
20°	5171
25°	5139
30°	5100
35°	5052
40°	5017
45°	4964
50°	4878
55°	4796
60°	4644
65°	4453
70°	4137
75°	3662
80°	2926
85°	1692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	3.3
10°-20°	52.0	9.5
20°-30°	78.6	14.4
30°-40°	94.9	17.4
40°-50°	99.0	18.2
50°-60°	89.8	16.5
60°-70°	68.1	12.5
70°-80°	36.8	6.8
80°-90°	7.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	148.8	27.3
0°-40°	243.7	44.7
0°-60°	432.5	79.4
0°-90°	545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	192	
5°	192	18
15°	184	52
25°	170	79
35°	152	95
45°	128	99
55°	101	90
65°	69	68
75°	35	37
85°	5	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	192.0
2.5°	191.6
5°	191.6
7.5°	190.6
10°	188.6
12.5°	186.7
15°	183.7
17.5°	181.8
20°	177.9
22.5°	174.5
25°	170.5
27.5°	166.6
30°	161.7
32.5°	157.3
35°	151.5
37.5°	146.1
40°	140.7
42.5°	134.9
45°	128.5
47.5°	121.7
50°	114.8
52.5°	108.0
55°	100.7
57.5°	92.8
60°	85.0
62.5°	77.2
65°	68.9
67.5°	60.6
70°	51.8
72.5°	43.5
75°	34.7
77.5°	26.4
80°	18.6
82.5°	11.7
85°	5.4
87.5°	1.5
90°	0.0

(END OF REPORT)